

AUG 17 2005

Docket No.: IRDM.128A

Customer No. 20,995



INFORMATION DISCLOSURE STATEMENT

Applicant : Miles, et al.
App. No : 10/606,001
Filed : June 24, 2003
For : THIN FILM PRECURSOR STACK
FOR MEMS MANUFACTURING
Examiner : Hasan, Mohammed A.
Art Unit : 2873

CERTIFICATE OF MAILING

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

May 23, 2005

(Date)

Mark M. Abumeri, Reg. No. 43,458

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is an Information Disclosure Statement by Applicant (PTO/SB/08 equivalent) listing 298 references to be considered by the Examiner, which includes 6 foreign patent references and 38 non-patent literature references. Hardcopies of the 44 foreign and non-patent literature references are enclosed herewith.

This Information Disclosure Statement is being filed within three months of the filing date, with an RCE or before receipt of a first office action after an RCE and no fee is required.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: May 23, 2005

By:

Mark M. Abumeri
Registration No. 43,458
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Customer No. 20,995
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 12

Application No.	10/606,001
Filing Date	June 24, 2003
First Named Inventor	Miles, Mark W.
Art Unit	2873
Examiner	Hasan, Mohammed A.
Attorney Docket No.	IRDM.128A

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	2,534,846	12-19-1950	Ambrose et al.	
	2	3,439,973	04-22-1969	Paul et al.	
	3	3,443,854	05-13-1969	Weiss	
	4	3,653,741	04-04-1972	Marks	
	5	3,656,836	04-18-1972	de Cremoux et al.	
	6	3,725,868	04-03-1973	Malmer, Jr. et al.	
	7	3,813,265	05-28-1974	Marks	
	8	3,955,880	05-11-1976	Lierke	
	9	4,099,854	07-11-1978	Decker et al.	
	10	4,196,396	04-01-1980	Smith	
	11	4,228,437	10-14-1980	Shelton	
	12	4,377,324	03-22-1983	Durand et al.	
	13	4,389,096	06-21-1983	Hori et al.	
	14	4,403,248	09-06-1983	te Velde	
	15	4,441,791	04-10-1984	Hornbeck	
	16	4,445,050	04-24-1984	Marks	
	17	4,459,182	07-10-1984	te Velde	
	18	4,482,213	11-13-1984	Piliavin et al.	
	19	4,500,171	02-19-1985	Penz et al.	
	20	4,519,676	05-28-1985	te Velde	
	21	4,631,126	07-23-1985	Sadones	
	22	4,666,935	01-28-1986	Hornbeck	
	23	4,571,603	02-18-1986	Hornbeck et al.	
	24	4,596,992	06-24-1986	Hornbeck	
	25	4,615,595	10-07-1986	Hornbeck	
	26	4,662,746	05-05-1987	Hornbeck	
	27	4,663,083	05-05-1987	Marks	
	28	4,681,403	07-21-1987	te Velde et al.	
	29	4,710,732	12-01-1987	Hornbeck	
	30	4,748,366	05-31-1988	Taylor	

Examiner Signature

Date Considered

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T¹ - Place a check mark in this area when an English language Translation is attached

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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SHEET 2 OF 12

Application No. 10/606,001

Filing Date June 24, 2003

First Named Inventor Miles, Mark W.

Art Unit 2873

Examiner Hasan, Mohammed A.

Attorney Docket No. IRDM.128A

U.S. PATENT DOCUMENTS

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	31	4,786,128	11-22-1988	Bimbach	
	32	4,790,635	12-13-1988	Apsley	
	33	4,856,863	08-15-1989	Sampsell et al.	
	34	4,937,496	06-26-1990	Neiger et al.	
	35	4,954,789	09-04-1990	Sampsell	
	36	4,956,619	09-11-1990	Hornbeck	
	37	4,982,184	01-01-1991	Kirkwood	
	38	5,018,256	05-28-1991	Hornbeck	
	39	5,022,745	06-11-1991	Zahowski et al.	
	40	5,028,939	07-02-1991	Hornbeck et al.	
	41	5,037,173	08-06-1991	Sampsell et al.	
	42	5,044,736	09-03-1991	Jaskie et al.	
	43	5,061,049	10-29-1991	Hornbeck	
	44	5,075,796	12-24-1991	Schildkraut et al.	
	45	5,078,479	01-07-1992	Vuilleumier	
	46	5,079,544	01-07-1992	DeMond et al.	
	47	5,083,857	01-28-1992	Hornbeck	
	48	5,096,279	03-17-1992	Hornbeck et al.	
	49	5,099,353	03-24-1992	Hornbeck	
	50	5,124,834	06-23-1992	Cusano et al.	
	51	5,136,669	08-04-1992	Gerd	
	52	5,142,405	08-25-1992	Hornbeck	
	53	5,142,414	08-25-1992	Koehler	
	54	5,153,771	10-06-1992	Link et al.	
	55	5,162,787	11-10-1992	Thompson et al.	
	56	5,168,406	12-01-1992	Nelson	
	57	5,170,156	12-08-1992	DeMond et al.	
	58	5,172,262	12-15-1992	Hornbeck	
	59	5,179,274	01-12-1993	Sampsell	
	60	5,192,395	03-09-1993	Boysel et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i> SHEET 3 OF 12	Application No.	10/606,001
	Filing Date	June 24, 2003
	First Named Inventor	Miles, Mark W.
	Art Unit	2873
	Examiner	Hasan, Mohammed A.
	Attorney Docket No.	IRDM.128A

U.S. PATENT DOCUMENTS					
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	61	5,192,946	03-09-1993	Thompson et al.	
	62	5,206,629	04-27-1993	DeMond et al.	
	63	5,214,419	05-25-1993	DeMond et al.	
	64	5,214,420	05-25-1993	Thompson et al.	
	65	5,216,537	06-01-1993	Hornbeck	
	66	5,226,099	07-06-1993	Mignardi et al.	
	67	5,228,013	07-13-1993	Bik	
	68	5,231,532	07-27-1993	Magel et al.	
	69	5,233,385	08-03-1993	Sampsell	
	70	5,233,456	08-03-1993	Nelson	
	71	5,233,459	08-03-1993	Bozler et al.	
	72	5,254,980	10-19-1993	Hendrix et al.	
	73	5,272,473	12-21-1993	Thompson et al.	
	74	5,278,652	01-11-1994	Urbanus et al.	
	75	5,280,277	01-18-1994	Hornbeck	
	76	5,287,096	02-15-1994	Thompson et al.	
	77	5,296,950	03-22-1994	Lin et al.	
	78	5,305,640	04-26-1994	Boysel et al.	
	79	5,311,360	05-10-1994	Bloom et al.	
	80	5,312,513	05-17-1994	Florence et al.	
	81	5,323,002	06-21-1994	Sampsell et al.	
	82	5,324,683	06-28-1994	Fitch et al.	
	83	5,325,116	06-28-1994	Sampsell	
	84	5,326,430	07-05-1994	Cronin et al.	
	85	5,327,286	07-05-1994	Sampsell et al.	
	86	5,331,454	07-19-1994	Hornbeck	
	87	5,339,116	08-16-1994	Urbanus et al.	
	88	5,345,328	09-06-1994	Fritz et al.	
	89	5,365,283	11-15-1994	Doherty et al.	
	90	5,381,232	01-10-1995	van Wijk	

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	First Named Inventor	Miles, Mark W.
	Art Unit	2873
(Multiple sheets used when necessary)		Examiner
SHEET 4 OF 12		Hasan, Mohammed A.
		Attorney Docket No.
		IRDM.128A

U.S. PATENT DOCUMENTS					
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	91	5,381,253	01-10-1995	Sharp et al.	
	92	5,401,983	03-28-1995	Jokerst et al.	
	93	5,411,769	05-02-1995	Hornbeck	
	94	5,444,566	08-22-1995	Gale et al.	
	95	5,446,479	08-29-1995	Thompson et al.	
	96	5,448,314	09-05-1995	Heimbuch et al.	
	97	5,452,024	09-19-1995	Sampsell	
	98	5,454,906	10-03-1995	Baker et al.	
	99	5,457,493	10-10-1995	Leddy et al.	
	100	5,457,566	10-10-1995	Sampsell et al.	
	101	5,459,602	10-17-1995	Sampsell	
	102	5,459,610	10-17-1995	Bloom et al.	
	103	5,461,411	10-24-1995	Florence et al.	
	104	5,489,952	02-06-1996	Gove et al.	
	105	5,497,172	03-05-1996	Doherty et al.	
	106	5,497,197	03-05-1996	Gove et al.	
	107	5,499,062	03-12-1996	Urbanus	
	108	5,500,635	03-19-1996	Mott	
	109	5,500,761	03-19-1996	Goossen et al.	
	110	5,503,952	04-02-1996	Suzuki et al.	
	111	5,506,597	04-09-1996	Thompson et al.	
	112	5,515,076	05-07-1996	Thompson et al.	
	113	5,517,347	05-14-1996	Sampsell	
	114	5,523,803	06-04-1996	Urbanus et al.	
	115	5,526,051	06-11-1996	Gove et al.	
	116	5,526,172	06-11-1996	Kanack	
	117	5,526,327	06-11-1996	Cordova, Jr.	
	118	5,526,688	06-18-1996	Boysel et al.	
	119	5,535,047	07-09-1996	Hornbeck	
	120	5,548,301	08-20-1996	Kornher et al.	

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	Filing Date	June 24, 2003
	First Named Inventor	Miles, Mark W.
	Art Unit	2873
	Examiner	Hasan, Mohammed A.
	Attorney Docket No.	IRDM.128A

U.S. PATENT DOCUMENTS					
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	121	5,551,293	09-03-1996	Boysel et al.	
	122	5,552,924	09-03-1996	Tregilgas	
	123	5,552,925	09-03-1996	Worley	
	124	5,563,398	10-08-1996	Sampsell	
	125	5,567,334	10-22-1996	Baker et al.	
	126	5,570,135	10-29-1996	Gove et al.	
	127	5,579,149	11-26-1996	Moret et al.	
	128	5,581,272	12-03-1996	Conner et al.	
	129	5,583,688	12-10-1996	Hornbeck	
	130	5,589,852	12-31-1996	Thompson et al.	
	131	5,597,736	01-28-1997	Sampsell	
	132	5,600,383	02-04-1997	Hornbeck	
	133	5,602,671	02-11-1997	Hornbeck	
	134	5,606,441	02-25-1997	Florence et al.	
	135	5,608,468	03-04-1997	Gove et al.	
	136	5,610,438	03-11-1997	Wallace et al.	
	137	5,610,624	03-11-1997	Bhuva	
	138	5,610,625	03-11-1997	Sampsell	
	139	5,619,059	04-08-1997	Li et al.	
	140	5,619,365	04-08-1997	Rhoades et al.	
	141	5,619,366	04-08-1997	Rhoads et al.	
	142	5,622,814	04-22-1997	Miyata et al.	
	143	5,629,790	05-13-1997	Neukermans et al.	
	144	5,633,652	05-27-1997	Kanbe et al.	
	145	5,636,052	06-03-1997	Arney et al.	
	146	5,636,185	06-03-1997	Brewer et al.	
	147	5,638,084	06-10-1997	Kalt	
	148	5,638,946	06-17-1997	Zavracky	
	149	5,641,391	06-24-1997	Hunter et al.	
	150	5,646,768	07-08-1997	Kaeiyama	

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	Filing Date	June 24, 2003
	First Named Inventor	Miles, Mark W.
	Art Unit	2873
(Multiple sheets used when necessary)	Examiner	Hasan, Mohammed A.
SHEET 6 OF 12	Attorney Docket No.	IRDM.128A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	151	5,650,881	07-22-1997	Hornbeck	
	152	5,654,741	08-05-1997	Sampsell et al.	
	153	5,657,099	08-12-1997	Doherty et al.	
	154	5,659,374	08-19-1997	Gale, Jr. et al.	
	155	5,685,997	09-09-1997	Weaver et al.	
	156	5,673,139	09-30-1997	Johnson	
	157	5,674,757	10-07-1997	Kim	
	158	5,683,591	11-04-1997	Offenberg	
	159	5,703,710	12-30-1997	Brinkman et al.	
	160	5,710,656	01-20-1998	Goosen	
	161	5,726,480	03-10-1998	Pister	
	162	5,739,945	04-14-1998	Tayebati	
	163	5,745,193	04-28-1998	Urbanus et al.	
	164	5,745,281	04-28-1998	Yi et al.	
	165	5,771,116	06-23-1998	Miller et al.	
	166	5,784,190	07-21-1998	Worley	
	167	5,784,212	07-21-1998	Hornbeck	
	168	5,793,504	08-11-1998	Stoll	
	169	5,808,780	09-15-1998	McDonald	
	170	5,818,095	10-06-1998	Sampsell	
	171	5,825,528	10-20-1998	Goosen	
	172	5,842,088	11-24-1998	Thompson	
	173	5,912,758	06-15-1999	Knipe et al.	
	174	5,943,158	08-24-1999	Ford et al.	
	175	5,959,763	09-28-1999	Bozler et al.	
	176	5,972,193	10-26-1999	Chou et al.	
	177	5,976,902	11-02-1999	Shih	
	178	6,028,690	02-22-2000	Carter et al.	
	179	6,038,056	03-14-2000	Florence et al.	
	180	6,049,317	04-11-2000	Thompson et al.	

Examiner Signature	Date Considered
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	181	6,061,075	05-09-2000	Nelson et al.	
	182	6,099,132	08-08-2000	Kaeriyama	
	183	6,100,872	08-08-2000	Aratani et al.	
	184	6,113,239	09-05-2000	Sampsell et al.	
	185	6,147,790	11-14-2000	Meier et al.	
	186	6,160,833	12-12-2000	Floyd et al.	
	187	6,180,428	01-30-2001	Peeters et al.	
	188	6,201,633	03-13-2001	Peeters et al.	
	189	6,232,936	05-15-2001	Gove et al.	
	190	6,243,149	06-05-2001	Swanson et al.	
	191	6,282,010	08-28-2001	Sulzbach et al.	
	192	6,284,560	09-04-2001	Jech, et al.	
	193	6,295,154	09-25-2001	Laor et al.	
	194	6,323,982	11-27-2001	Hornbeck	
	195	6,447,126	09-10-2002	Hornbeck	
	196	6,465,355	10-15-2002	Horsley	
	197	6,466,358	10-15-2002	Tew	
	198	6,473,274	10-29-2002	Maimone et al.	
	199	6,480,177	11-12-2002	Doherty et al.	
	200	6,496,122	12-17-2002	Sampsell	
	201	6,545,335	04-08-2003	Chua et al.	
	202	6,548,908	04-15-2003	Chua et al.	
	203	6,549,338	04-15-2003	Wolverton et al.	
	204	6,552,840	04-22-2003	Knipe	
	205	6,600,201	07-29-2003	Hartwell et al.	
	206	6,606,175	08-12-2003	Sampsell et al.	
	207	6,625,047	09-23-2003	Coleman, Jr., deceased	
	208	6,630,786	10-07-2003	Cummings et al.	
	209	6,632,698	10-14-2003	Ives	
	210	6,643,069	11-04-2003	Dewald	

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SHEET 8 OF 12		Examiner Hasan, Mohammed A.
		Attorney Docket No. IRDM.128A

U.S. PATENT DOCUMENTS					
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	211	6,666,561	12-23-2003	Blakley	
	212	6,741,384	05-25-2004	Martin et al.	
	213	6,741,503	05-25-2004	Farris et al.	
	214	6,747,785	06-08-2004	Chen et al.	
	215	6,756,317	06-29-2004	Sniegowski, et al.	
	216	6,775,174	08-10-2004	Huffman et al.	
	217	6,778,155	08-17-2004	Doherty et al.	
	218	6,778,306	08-17-2004	Sniegowski, et al.	
	219	6,811,267	11-02-2004	Allen et al.	
	220	6,812,482	11-02-2004	Fleming, et al.	
	221	6,819,469	11-16-2004	Koba	
	222	6,822,628	11-23-2004	Dunphy et al.	
	223	6,829,132	12-07-2004	Martin et al.	
	224	6,853,129	02-08-2005	Cummings et al.	
	225	6,855,610	02-15-2005	Tung et al.	
	226	6,859,218	02-22-2005	Luman et al.	
	227	6,862,022	03-01-2005	Slupe	
	228	6,862,029	03-01-2005	D'Souza et al.	
	229	6,870,581	03-22-2005	Li et al.	
	230	20030152872	08-14-2003	Miles, Mark W.	
	231	20010003487	06-14-2001	Miles	
	232	20010040649	11-15-2001	Ozaki	
	233	20020015215	02-07-2002	Miles	
	234	20020075555	06-20-2002	Miles	
	235	20030062186	04-03-2003	Boroson et al.	
	236	20030202264	10-30-2003	Weber et al.	
	237	20030202265	10-30-2003	Reboa et al.	
	238	20030202266	10-30-2003	Ring et al.	
	239	20040080807	04-29-2004	Chen et al.	
	240	20040145049	07-29-2004	McKinnell et al.	

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SHEET 9 OF 12

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Attorney Docket No.	IRDM.128A

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	241	20040147056	07-29-2004	McKinnell et al.	
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	243	20040174583	09-09-2004	Chen et al.	
	244	20040179281	09-16-2004	Reboa	
	245	20040212026	10-28-2004	Van Brocklin et al.	
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	247	20040217919	11-04-2004	Pichl et al.	
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Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	255	JP 05275401 A1	10-22-1993	Yokogawa Electric Corp.		T (Abstract Only)
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*Computer generated translation

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PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i>	Application No.	10/606,001
	Filing Date	June 24, 2003
	First Named Inventor	Miles, Mark W.
	Art Unit	2873
SHEET 10 OF 12	Examiner	Hasan, Mohammed A.
	Attorney Docket No.	IRDM.128A

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Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
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	298	PCT/US96/17731 Search Report	

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